

1432. ENHYDROBACTER MEDIUM

Mineral salt sol. ("Hutner/Cohen-Bazire")	20.0	ml
Casamino acids (BD 223050)	1.0	g
Glucose	1.0	g
Agar (Bacto)	15.0	g
Distilled water	980.0	ml

Sterilize 20 min. /121°C. After cooling to 60°C add to the medium:

Biotin	0.02	mg
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Mineral salt solution:

Nitritotriacetic acid (NTA)	10.00	g
MgSO ₄ x 7 H ₂ O	29.70	g
CaCl ₂ x 2 H ₂ O	3.34	g
Na ₂ MoO ₄ x 2 H ₂ O	12.67	mg
FeSO ₄ x 7 H ₂ O	99.00	mg
Metal salt sol. "Metals 44"	50.00	ml
Distilled water	900.00	ml

Dissolve NTA first by neutralizing with KOH, then add other salts. Adjust pH to 7.2 with KOH or H₂SO₄. Adjust volume to 1000.0 ml with distilled water.

"Metals 44":

Na-EDTA	250.000	mg
ZnSO ₄ x 7 H ₂ O	1095.000	mg
FeSO ₄ x 7 H ₂ O	500.000	mg
MnSO ₄ x H ₂ O	154.000	mg
CuSO ₄ x 5 H ₂ O	39.200	mg
Co(NO ₃) ₂ x 6 H ₂ O	24.800	mg
Na ₂ B ₄ O ₇ x 10 H ₂ O	17.700	mg
Distilled water	1000.000	ml

Dissolve the EDTA and add a few drops of concentrated H₂SO₄ to retard precipitation of the heavy metal ions.